

Why Web Engineering Is Needed For Web Applications and Services

Bebo White

SLAC

April 17, 2007

My Basic Premises

- Developing a Web-based system is no longer an event, it is a process
- Web-based systems are growing systems
- Web-based applications are adding a whole new dimension to software development

The Web Started Simple

- “Even simple rules lead to complex behavior” – Wolfram, *New Science*, 2002
- “It is now technically possible and feasible to put the entire creative works of man online” – Kahle, The Internet Archives
- E-commerce (Web/Internet) accounted for 2% of US retail sales in 4Q, 2004 - \$18.4 billion – US Census Bureau